Wednesday, 6/6/2007 1:48:32 PM Kim Johnston **Process Sheet** : 03.250 SUPPORT **Drawing Name** : CU-DAR001 Dart Helicopters Services Customer Job Number : 32780 -: 10387 **Estimate Number** 5pl,7 : D29401 Part Number P.O. Number D2940 REV B : 6/6/2007 S.O. No. : Drawing Number This Issue : N/A : NC Project Number Prsht Rev. : 11 : MACHINED PARTS **Drawing Revision** : B Type First Issue : 32169 Material Previous Run Each 20 Um: Due Date : 6/30/2007 Written By Checked & Approved By 62.11.26 Reformat, Added P/O KJ : Est. C Comment Est Rev:D Added priming as per Rev B 07-04-30 JLM Additional Product Job Number: Machine Or Operation: Description: Seq. #: 17-4 SS Roundbar 4.50*OD 1.0 D6104007 20.0000 Each(s) Comment: Qty.: 1.0000 Each(s)/Unit Total: 17-4 SS Roundbar 4.50"OD D6104-007 BATCH **ROUND BILLET 17-4** Comment: Sub-Component ROUND BILLET 17-4 D6104-007 B 32780 A MORI SEIKI CNC LATHE LARGE 3.0 MORI SEIKI Comment: MORI SEIKI CNC LATHE LARGE Turn blank for Haas as per Folio FA079 40 INSPECT ALL DIM TO DIM SHEE Comment: INSPECT ALL DIM TO DIM SHEET HAAS CNC VERTICAL MACHINING #1 Comment: HAAS 1- Machine as per Folio FA079 2- Tumble & Deburr

Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES									
DATE	STEP	2	PROCEDURE CHANGE	Ву	Date	Qty Approval Chief Eng / Prod Mgr		Approval QC Inspector			
y											
								1			

Part No: P2940-1 PAR #: NA Fault Category: Pad Machine Part NCR: Yes No DQA: Date: 01/10/04

QA: N/C Closed: Date: 07,10.04

NCR:32	2780	W	ORK OR	DER NON-CONFORMANC	E (NCR)			
		Description of NC		Corrective Action Section B	Verification	Approval	Approval	
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Chief Eng	QC Inspecto
02/04/17	3,0	change of the Program. Change of the Program. Change of the Program. RC. operator Emorropon		ond Pro Reptier of toll employee toporation to see ac is her parts are		AA W	AB, 57/0926.	Co Alorhi
		Sed-up.		to go to next steps.		V		

NOTE: Date & initial all entries

Wednesday, 6/6/2007 1:48:32 PM Date: Kim Johnston User: **Process Sheet** Drawing Name: 03.250 SUPPORT Customer: CU-DAR001 Dart Helicopters Services Part Number: D29401 Job Number: 32780 Job Number: Description: Seq. #: Machine Or Operation: INSPECT ALL DIM TO DIM SHEET QC1 6.0 Comment: INSPECT ALL DIM TO DIM SHEET 9 SECOND CHECK Comment: SECOND CHECK POWDER COATING 8.0 POWDER COATING Comment: POWDER COATING Powder Coat White Gloss (Ref: 4.3.5.2) as per QSI 005 4.3 *******Mask Inside Surface as per Dwg D2940******** SPRAY PAINTING 9.0 SPRAY PAINTING Comment: SPRAY PAINTING Prime inside surface as per Dwg D2940 and QSI 005 4.3. 10.0 QC3 Comment: INSPEC COAT/CHEMICAL CONVERSION PACKAGING RESOURCE #1 11.0 PACKAGING 1 Comment: PACKAGING RESOURCE #1 Identify and Stock Location: 45 FINAL INSPECTION/W/O RELEASE 12.0 QC21 07.10.0 Comment: FINAL INSPECTION/W/O RELEASE U Stoor Job Completion

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- CII L	70	00	Dace	

Dartho	Tospace	Ltu										
W/O:			W	ORK ORDER CHANGE	S							
DATE	STEP		OCEDURE CHA	ANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector			
					e .	- d						
		×.										
Part No	c	PAR #:	Fault Cate	egory:	NCR: Yes	No DQ	A:	Date: _				
					QA:	N/C Close	d:	_ Date: _				
NCR:		9	WORK ORD	ER NON-CONFORMA	NCE (NC	R)						
		Description of NC		Corrective Action Section		Verific	ation	Approval	proval Approval			
DATE	TE STEP Description of NC Section A Initial Action	Action Description Chief Eng	Sign Date	& Secti		Chief Eng	QC Inspector					
							3	= 1				
									1.1			
				*								
		I										

NOTE: Date & initial all entries

DART AEROSPACE LTD	Work Order:	32780
Description: Ø3.250 Support	Part Number:	D2940-1
Inspection Dwg: D2940 Rev. B		Page 1 of 1

				Recorded Actual Dimensions					
Dim	Min	Max	Go/No Go Gauge	1	2	3	4	Ву	Date
				Lath	e Section				
Α	3.211	3.216		13 a/5	3,214	3,2/2"	3314"		
В	4.946	4.966		4.966	4'960"	4,960	4,959"		
C	0.718	0.738		732	725"	725"	.729		
D	0.090	0.110		.099	102"	102"	098"		
E	3.564	3.584		3.574	3.572"	3,574	3 5741		
F	0.022	0.042		-032	B, 032"	B.032"	3, 574° 8, 033° 3, 457°		
G	3.444	3.464		3.456	3, 455	3,457	3,457		
Н	0.112	0.132		, 121	121	121"	1/2/"		1.19
1	2.170	2.190	4	2.177	2,177	2/1/2"	2,974"		20
J	4.451	4.471		4.45 8	4.455	4,455	4,456		
K	0.413	0.433		430"	433"	433"	,433"		
L	0.913	0.933		, 9/3"	1913	913"	9/3"		
M					1				
N									
				HAA	S Section				
AA	0.240	0.260		250	0.250	0.250	250		
AB	0.490	0.510		0.500	0.506	0.500	500		
AC	0.140	0.160		1154	0.152	0.153	154		
AD	3.510	3.530		3.527	3.523	3.524	3,520		
AE	1.633	1.673		1.653	1.658	1.656	1673		
AF	1.493	1.513		1.500	1.506	1.501	1513		
AG	0.040	0.060		.050	0.047	0.048	1950		
AH	0.188	0.193		189	0.189	D.189	-159		
Al	0.140	0.160		150	6.148	0.152	.110		
AJ	2.518	2.538		2.532	2.528	2.528	2532		
AK	0.040	0.060		0.052	0.050	0.050	,000		
AL	0.010	0.020	1	,015	0.015	0.015	.015		
AM	0.140	0.160		0.147	0.147	0.148	,150	81	
AN	0.350	0.450	• • • • • • • • • • • • • • • • • • • •	0.375	6.380	0.376	-375		
AO	0.240	0.260		-250	0.250	0.256	,250		
AP	0.150	0.170		150	0.162	0.166	150		
AQ	0.053	0.073		.063	0. D/03	0.063	1063		
AR	101.64	105.64		103.64	103.64		103 64		
AS	0.257	0.262		. 261	0264	0.263	,261		
AT	0.053	0.073		.063	0.063	0.063	C80,		
AU	4.118	4.138		4.137	4.128	4.132	4.137.		
AV	1								1
	Acc	ept/Rejec	ct				- 1		

Measured by: JF- 1976 Audited by Date: 07-59-25

Rev	Date	Change	Revised by	Approved
Α		New Issue	KJ/RF	1
В	07.05.08	Dwg Rev. updated	KJ/JLM X	ad

DART AEROSPACE LTD	Work Order:	32780
Description: Ø3.250 Support	Part Number:	D2940-1
Inspection Dwg: D2940 Rev. B		Page 1 of 1

-11				Red	orded Actu	ıal Dimensi	ons		
Dim	Min	Max	Go/No Go Gauge	1 15	26	87	18	Ву	Date
			-	Lathe	Section				
Α	3.211	3.216		3.212	3.212	3.212	3.23		
В	4.946	4.966		4.958	4.958	4.958	4.958		
C	0.718	0.738		730"	.730	730	. 730		
D	0.090	0.110		1099"	.098.	-098	-098		
E	3.564	3.584		3 573"	3.574	3.574	3.574		
F	0.022	0.042		3,573"	. 032	.032	.032		
G	3.444	3.464		3,457	3.457	3.457	3.457		
Н	0.112	0.132		-120	-121	-/21	.120		
ī	2.170	2.190		2.173"	2-178	2-175	2-174		
j	4.451	4.471		4 4571	4.456	4.456	4.456		
K	0.413	0.433		433	-433	-433	.433		
Ĺ	0.913	0.933		.920	- 920	-920	.920		
M				740	7.500		MENT.		
N									
200				HAAS	Section				
AA	0.240	0.260		0.250	0.250	,250	.250		
AB	0.490	0.510		0.500	0.506	,500	.500		
AC	0.140	0.160		0.150	0.152	150	. 150		
AD	3.510	3.530		3.523	3.523	3.524	3520		
AE	1.633	1.673		1.1068	1.653	1.669	1.669		
AF	1.493	1.513		1.513	1.503	15-12	1,5-17		
AG	0.040	0.060		0.050	0.049	.051	176.		
AH	0.188	0.193		0.189	0.190	-188	.188		
Al	0.140	0.160		0.147	0.148	.150	150		
AJ	2.518	2.538		2.528	2.528.	2.528	2.528		
AK	0.040	0.060		0.046	0.047	,053	.05-3		
AL	0.010	0.020		0.015	0.015	,015	,015		
AM	0.140	0.160		0.150	6.147	151	150		
AN	0.350	0.450		0.356	0.356	.375	375		
AO	0.240	0.260		0.250	0.250	,250	1250		
AP	0.150	0.170		0.15%	0.158	156	156		
AQ .	0.053	0.073		0.063	0.063	063	.063		
AR	101.64	105.64		103.64	10364	103.64	103.64		
AS	0.257	0.262		0.263	0.264	263	,263		
AT	0.053	0.073		0.063	0.063	,063	063	26 16	
AU	4.118	4.138	4.5	4.128	4.129	4.130	4.130		
AV		-		- F					
	Acc	ept/Rejec	ct					A	

Measured by: 5.L 19nL Audited by Date: 07-09-25

Rev	Date	Change	Revised by	Approved
Α	02.12.12	New Issue	KJ/RF	1
В	07.05.08	Dwg Rev. updated	KJ/JLM X	Chil

DART AEROSPACE LTD	Work Order:	32780
Description: Ø3.250 Support	Part Number:	D2940-1
Inspection Dwg: D2940 Rev. B		Page 1 of 1

				Recorded Actual Dimensions					
Dim	Min	Max	Go/No Go Gauge	19	210	3"	A12	Ву	Date
				Lathe	Section				
Α	3.211	3.216	*		3.213	3.213	2.213		
В	4.946	4.966		H.958	4.954	4-957	4.958		
С	0.718	0.738		-730	730	-730	730		
D	0.090	0.110		.099	.096	.097			
Е	3.564	3.584		3.574	3,574	3.573	3.574		
F	0.022	0.042		.032	.032	.032	-032		
G	3.444	3.464		3.456	3.456	3.456	3.457		
Н	0.112	0.132		-119 .	.121	-121	.120		
1	2.170	2.190		2.176	2.174	2.176	2.178		
J	4.451	4.471		4.456	4.456	4.457	4.456		
K	0.413	0.433		-433	.433	.433	.433		
L	0.913	0.933		.920	.920	-920	.920		
М									
N									
				HAAS	Section				
AA	0.240	0.260		250	.250	. 250	.250		
AB	0.490	0.510		.500	, 500	-500	,500		
AC	0.140	0.160		1152	1154	154	150		
AD	3.510	3.530		3.530	3.520	3.523	3.520	-	
AE	1.633	1.673		1.670	1.653	1.673	1.653		
AF	1.493	1.513		1,510	1.500	1.500	1.500		
AG	0.040	0.060		050	.050	.050	,050		
AH	0.188	0.193		181	.188	1188	. 188		
Al	0.140	0.160		-150	150	150	150		
AJ	2.518	2.538			2.528	2.122	2.520		
AK	0.040	0.060		0.042	0.048	0.047	.050		
AL	0.010	0.020		.015	1015	1015	1018		
AM	0.140	0.160		03146	0.147	0.147	.150		
AN	0.350	0.450			350	.350	+360		
AO	0.240	0.260		250	250	,250	,250		
AP	0.150	0.170		.163	. 63	160	1160		
AQ	0.053	0.073		,063	,063	.063	063		
AR	101.64	105.64		103.64	103.64	10364	103.64		
AS	0:257	0.262		202,	. 262	,262	.262		
AT	0.053	0.073		.063	. 263	.063	,063		
AU	4.118	4.138		4.125	4-128	4178	4.128		
AV									

Measured by:

Date: 01/9/15 /01/09/3 Audited by Date: 01-9/25

Rev	Date	Change	Revised by	Approved
Α	02.12.12	New Issue	KJ/RF	1
В	07.05.08	Dwg Rev. updated	KJ/JLM 🔏	ad

DART AEROSPACE LTD	Work Order:	32780
Description: Ø3.250 Support	Part Number:	D2940-1
Inspection Dwg: D2940 Rev. B		Page 1 of 1

	4			Red	corded Actu	ıal Dimensi	ons		
Dim	Min	Max	Go/No Go Gauge	1/3	214	\$15	A14	Ву	Date
				Lathe	Section			77	
Α	3.211	3.216		3.23	3.213	3.2/25	3.2175		
В	4.946	4.966		3.213	4.956	4.957	4.958		
С	0.718	0.738		.731	-730	731	.730		
D	0.090	0.110		.100	-100	.100	-099		
E	3.564	3.584		3.574	3.574	3.574	3.575		
F	0.022	0.042		.032	.032	-032	-032		
G	3.444	3.464		3.456	3.456	3.456	3.457		
Н	0.112	0.132		-171	-/20	.122	121		10
1	2.170	2.190		2.176	2177	2.176	2.176		
J	4.451	4.471		4.456	4.456	4.456	4.457		
K	0.413	0.433		.433	-433	-433	.433		
Ĺ	0.913	0.933		-915	-915	.915	.915		
M	0.10.10								
N									
				HAAS	Section				
AA	0.240	0.260		.250	0.250	0.250	0,250	T	
AB	0.490	0.510		500	0.500	0.500	0.500		
AC	0.140	0.160		1150	0.150	0.150	0.150		
AD	3.510	3.530		3.523	3.520	3521	3.522		
AE	1.633	1.673		1.673	1.671	1.670	1.668		
AF	1.493	1.513	(4	1.513	1.513	1.573	1.513		
AG	0.040	0.060		,050	0.050	0.050	0.850		
AH	0.188	0.193		188	0.188	0.188	AIRS		
Al	0.140	0.160		150	8,150	0.150	0.150		
AJ	2.518	2.538		2.534	2.522	2.528	2.528		
AK	0.040	0.060		,047	0.047	0.048	0.047		
AL	0.010	0.020		.015	0.015	0.015	0.015		
AM	0.140	0.160		.149	0.149	0.151	0.147		
AN	0.350	0.450		.370	1370	0,370	0.376		
AO	0.240	0.260		,250	0.250	0.250	0.250		
AP	0.150	0.170		-160	0.160	0.160	0.160		
AQ	0.053	0.073		1063	0.063	0.063	0.063		
AR	101.64	105.64		103.64	103/4	103.64	103/04		
AS	0.257	0.262		267	0.263	0.263	0.263		
AT	0.053	0.202		-063	0.063	0.063	0.863		
AU	4.118	4.138	***	4128	4.128	4.128	4.128		
AV	4.110	4.130		4.64	7.100	1.100	1.100		
/ \ V	Acc	ept/Rejec	et .					9	

Measured by:

Date: 07/09//6 03/04/21 Date: 07-09-25

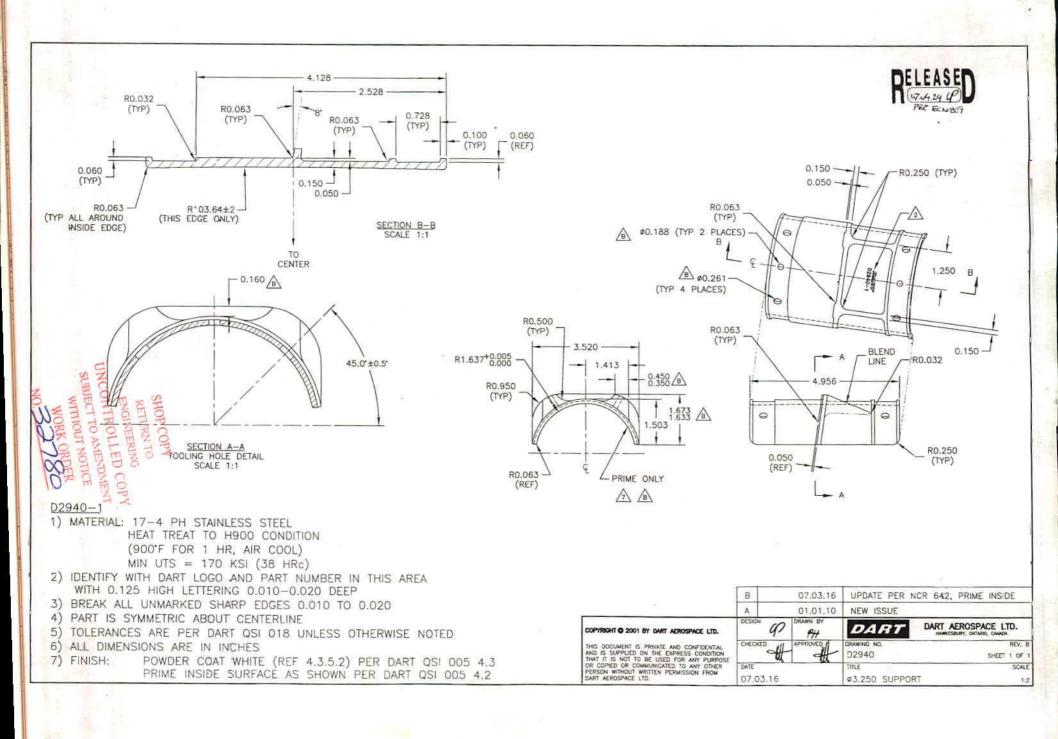
Rev	Date	Change	Revised by	Approved
Α	02.12.12	New Issue	KJ/RF	1
В	07.05.08	Dwg Rev. updated	KJ/JLM X	Chall

DART AEROSPACE LTD	Work Order:	32780
Description: Ø3.250 Support	Part Number:	D2940-1
Inspection Dwg: D2940 Rev. B		Page 1 of 1

				Red		ial Dimensio	ons		
Dim	Min	Max	Go/No Go Gauge	x17	2 18	3 19	A 26	Ву	Date
				Lathe	Section				
Α	3.211	3.216		T-3.7/3	37/3	3212	3,213"		
В	4.946	4.966		4.958	4.958	4.958	4.950"		
C	0.718	0.738		700	.731	.731	.731		
D	0.090	0.110		. 099	.099	-098	-099		
E	3.564	3.584		3.574	3.574	3.574	3.574		
F	0.022	0.042		.032	.032	.032	.032		61
G	3.444	3.464		3.456	3.456	3.457	3.457		
Н	0.112	0.132		,12/"	.122	121.	1/2/"		
1	2.170	2.190		2.174	2-177	2-177	2.177		
J	4.451	4.471		4.456	4.457	4.457	4.456		
K	0.413	0.433		433	.433	-430	, 430"		
L	0.913	0.933		:915	.915	.915	9/8"		
M							1		
N							4		
		-		HAAS	Section				
AA	0.240	0.260		0250	0250	0.250			
AB	0.490	0.510		0.500	0.506	0.500			
AC	0.140	0.160		0.150	0.150	0.152			-
AD	3.510	3.530		3.521	3.520	3.519	- 6		
AE	1.633	1.673		1.670	1.607	1.669	0		
AF	1.493	1.513		1:513	1.571	1.573			
AG	0.040	0.060		0.050	0.050	1.050	7		
AH	0.188	0.193		0.188	0.188	0.188			
Al	0.140	0.160		0.150	0.156	0.149			
AJ	2.518	2.538		2.528	2,528	2.528	D		
AK	0.040	0.060		0.050	0.050	0.050			
AL	0.010	0.020		0.00	0.016	0.010	V		
AM	0.140	0.160		0.157	0.152	0.144	C.		
AN	0.350	0.450		0.360	0.361	0.370			
AO	0.240	0.260		0.250	0.250	0.250			
AP	0.150	0.170		0:161	0.161	0.157	ſ		
AQ	0.053	0.073		0.063	0.063	0.063			
AR	101.64	105.64		103,64	103.64	103.64			
AS	-0.257	0.262		0.263	0.263	0.264			
AT	0.053	0.073		0.063	0.063	0.063			
AU	4.118	4.138		9.129	4.129	4.127	13		
AV							9		
	Acc	ept/Rejec	ct						

Measured by: J. J. J. J. J. J. J. Audited by Date: Dat

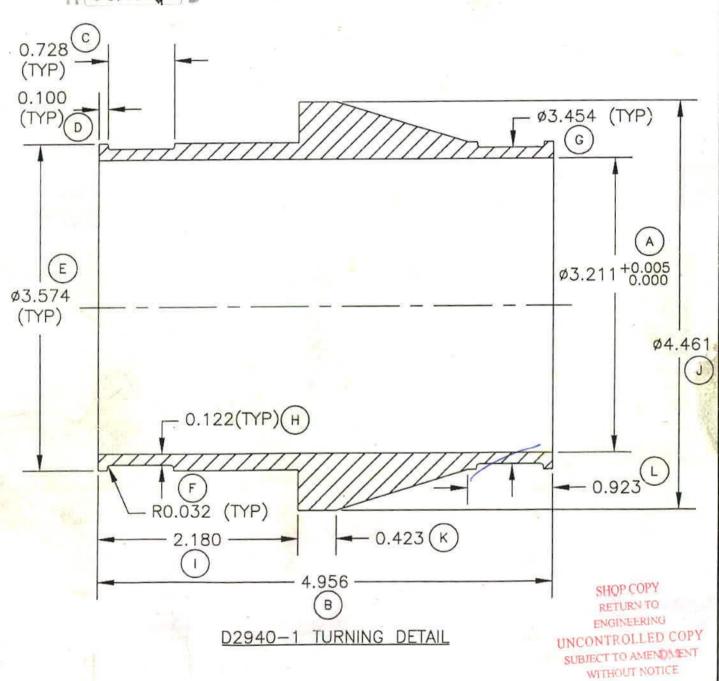
Rev	Date	Change	Revised by	Approved
Α	02.12.12	New Issue	KJ/RF	1
В	07.05.08	Dwg Rev. updated	KJ/JLM X	Cull





DESIGN	DRAWN BY	DART AEROSPACE LTI)
CHECKED	APPROVED	DRAWING NO. DSK 081 SHE	REV. B
DATE		TITLE	SCALE
03.06	.24	TURNING DETAIL FOR D2940-1	1:1
A	03.03.07	NEW ISSUE	
В	03.06.24	ADDED 4.956 DIMENSION	

RELEASED



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